| Index of Claims   |          |          |          |          |  |          |          |                 |                             |          |          | Application/Control No. |          |                      |               |              |             |                |          |       |            | Applicant(s)/Patent under Reexamination          |          |              |                               |          |                 |                |   |  |
|-------------------|----------|----------|----------|----------|--|----------|----------|-----------------|-----------------------------|----------|----------|-------------------------|----------|----------------------|---------------|--------------|-------------|----------------|----------|-------|------------|--|----------|--------------|-------------------------------|----------|-----------------|----------------|---|--|
|                   |          |          | Ш        |          |  |          | Ш        |                 |                             |          |          |                         |          | 10/826,495           |               |              |             |                |          |       |            |  |          | URATA ET AL. |                               |          |                 |                |   |  |
|                   |          |          |          |          |  |          |          |                 |                             |          |          | =                       | Examiner |                      |               |              |             |                |          |       |            |  | Art Unit |              |                               |          |                 |                |   |  |
|                   |          |          |          |          |  |          |          |                 |                             |          |          |                         | С        | Christopher R. Magee |               |              |             |                |          |       |            |  |          | 2627         |                               |          |                 |                |   |  |
|                   | _        | _        |          |          |  | 1        | i        | _               |                             |          |          | _                       |          |                      | Г             |              |             |                |          |       | 1          |  |          |              |                               |          |                 |                |   |  |
|                   | √        | R        | Rejected |          |  |          |          | -               | (Through numer<br>Cancelled |          |          |                         |          |                      |               | N            | Non-Elected |                |          |       | Α          | Appeal   |          |              |                               |          |                 |                |   |  |
|                   | $\vdash$ | Allowed  |          |          | ł  |          | $\vdash$ | Restricted      |                             |          |          |                         | $\dashv$ | F                    | +             | Interference |             |                |          | H     |            |  |          |              |                               |          |                 |                |   |  |
|                   | =        |          |          |          |  |          | ÷        |                 |                             |          |          |                         |          |                      | 1             |              |             |                |          | 0     |            |  |          |              |                               |          |                 |                |   |  |
|                   | _        |          |          |          |  |          |          |                 |                             |          |          |                         |          |                      |               |              |             |                |          |       |            | T  |          |              |                               |          |                 |                | 7 |  |
| Claim             | ┝        | Г        | _        | [        | Dat<br>T   | e_       |          |                 | 4                           | Cla      |          |                         |          |                      | ate           |              |             | 1              | { }      | Cla   | aim        | <del>                                     </del> |          | т-           | Date                          | 9        | ,               | <del>-,-</del> | - |  |
| Final<br>Original | 90       |          |          |          |  |          |          |                 |                             | <u>a</u> | Original |                         |          |                      |               |              | 1           | 1              |          | al    | Original   | Ιİ   |          |              |                               |          |                 | İ              |   |  |
| Final<br>Origina  | 8/10/06  | ŀ        |          |          |  |          |          |                 | -                           | Final    | Orig     |                         |          | -                    |               |              |             |                |          | Final | Orig       |  |          |              |                               |          |                 |                |   |  |
|                   | _        | _        | L        | <u></u>  | ļ  | ┞        | L        |                 | 4                           |          | LI       |                         | Џ_       | $\sqcup$             | _             | 4            |             | ╄-             |          |       |            | $\sqcup$   |          | 4            | ـــ                           |          | $\vdash$        | -              | 4 |  |
| 1 2               | 1        |          | ┢        | -        | ⊢  | ┢        | _        | -               | 4                           | _        | 51<br>52 | +                       | +        | Н                    | -             | +            | +           | +-             | ┨        |       | 101<br>102 | ╀  |          | +            | -                             | -        | $\vdash$        | +-             | ┨ |  |
| 3                 | 1        |          | ┢        | $\vdash$ | $\vdash$   | 1        |          |                 | ┪                           |          | 53       | +                       | +        | Н                    | 十             | $\dagger$    | +           | $\dagger \neg$ | 1 1      |       | 103        | $\vdash$   | _        | 十            | +                             | $\vdash$ | $\vdash$        | +              | 1 |  |
| 4                 | √        |          |          |          |  |          |          |                 |                             |          | 54       |                         |          |                      |               |              |             |                | ] [      |       | 104        |  |          |              |                               |          |                 |                | ] |  |
| 5                 | V        |          |          | _        | ╙  | <u> </u> | <u> </u> | $\sqcup$        | _                           |          | 55       | 4                       | $\bot$   | Ш                    | 4             | _            | _           | ↓_             | ]        |       | 105        | $\sqcup$   | _ _      | _            | ╄                             | _        | $\sqcup$        | $\bot$         | 4 |  |
| 6                 | √<br>  √ |          | -        | -        | -  | -        |          | $\vdash \vdash$ | -                           |          | 56<br>57 | +                       | +-       | -                    | $\dashv$      | +            | ╬           | ╁              | 1        |       | 106<br>107 | ╁╌┼  | +        | ╁            | $\vdash$                      |          | $\vdash$        | +              | 4 |  |
| 8                 | 7        | _        | ╁╴       | $\vdash$ | ╁  | $\vdash$ | ┢        | $\vdash$        | ┥                           | $\vdash$ | 58       | +                       | +        | $\vdash$             | +             | +            | +           | +              | ┪╽       |       | 108        | ╁┼   | +        | +            | H                             | -        | $\vdash$        | +              | ┨ |  |
| 9                 | V        |          |          |          |  |          |          |                 |                             |          | 59       |                         |          |                      |               |              |             |                | ] [      |       | 109        |  |          |              |                               |          |                 |                | ] |  |
| 10                | V        |          |          |          |  | Ļ        | _        | Щ               | _                           |          | 60       | _ _                     | _        |                      | _             | _            | $\perp$     | 4              |          |       | 110        | $\sqcup$   | _        | _            | $oldsymbol{oldsymbol{\perp}}$ |          | $\sqcup$        | 4              | _ |  |
| 11                | <b>√</b> |          | ⊢        | ┢        | ┝  | ├        | L        | $\vdash$        | $\dashv$                    |          | 61<br>62 | -                       | ┿        | ├─┤                  | $\dashv$      | +            | -           | ╁              | 1 }      |       | 111<br>112 | $\vdash$   | -        | +            | +-                            | $\vdash$ | $\vdash$        | - -            | - |  |
| 13                | ┝        | $\vdash$ | ┢        | 1        | ┢  | $\vdash$ | H        | $\forall$       | ┥                           |          | 63       | +                       | +        | $\vdash$             | $\dashv$      | +            | +           | +              | 1 1      |       | 113        | $\vdash$   | +        | +-           | +                             | -        | $\vdash$        | +              | 1 |  |
| 14                |          |          |          |          |  |          |          |                 |                             |          | 64       |                         |          |                      |               |              |             |                | ] [      |       | 114        |  |          |              |                               |          |                 |                | ] |  |
| 15                | L        | L        | L        | <u> </u> | <u> </u>   | ļ_       | <u> </u> |                 | _                           |          | 65       | 4                       | 1        | Ш                    | $\rightarrow$ | $\dashv$     | $\perp$     | $\bot$         | 1        |       | 115        |  |          | _            | ļ                             |          | Н               | 4              | 4 |  |
| 16<br>17          | _        | -        | ┝        | ╀        | ┢╌   | ┢        |          | $\vdash$        | $\dashv$                    | -        | 66<br>67 | +                       | +        | H                    | $\dashv$      | +            | +           | +              | 1        |       | 116<br>117 | ₩  | +        | +            | ╁                             | -        | H               | +              | ł |  |
| 18                | $\vdash$ | $\vdash$ | ┢        | ╁        | <del>                                     </del> | ╁        |          | $\vdash$        | ┪                           |          | 68       | $\dashv$                | +        | Н                    | $\dashv$      | $\dashv$     | +           | +              | 1        |       | 118        | $\vdash$   | +        | +            | +                             |          | Н               | +              | 1 |  |
| 19                |          |          |          |          |  |          |          |                 |                             |          | 69       |                         |          |                      |               |              |             |                | 1        |       | 119        |  |          |              |                               |          |                 |                | 1 |  |
| 20                | L        | <u> </u> | _        | <u> </u> | <u> </u>   | ┞        | ļ        | $\sqcup$        | 4                           |          | 70       |                         |          | $\sqcup$             | _             | 4            | _           | -              | <b>↓</b> |       | 120        | $\vdash$   | _        | _            | $\bot$                        |          | Н               | +              | - |  |
| 21<br>22          | $\vdash$ | $\vdash$ | ┝        | ⊢        | $\vdash$   | ├        |          | $\vdash$        | $\dashv$                    | $\vdash$ | 71<br>72 | +                       | +-       | ┨                    | $\dashv$      | +            | +           | +-             | 1 l      |       | 121<br>122 | ╀  | +        | +            | +                             | -        | $\vdash$        | +              | - |  |
| 23                | T        | T        | T        | T        | T  | $\vdash$ | $\vdash$ | $\vdash$        | $\dashv$                    |          | 73       | $\top$                  | +-       |                      | $\dashv$      | $\dashv$     | +           | +              | 1        |       | 123        | $\dagger \dagger$                                | +        | +            | +-                            |          |                 | $\top$         | 1 |  |
| 24                |          |          |          |          |  |          |          |                 | $\Box$                      |          | 74       |                         |          |                      |               |              | 工           |                | ]        |       | 124        |  |          |              |                               |          |                 |                | 1 |  |
| 25<br>26          | 1        | L        | L        | $\vdash$ | 1  | <u> </u> | _        | $\vdash \vdash$ | 4                           |          | 75<br>76 |                         | _        | ┦╌┤                  | 4             | $\dashv$     |             | -              | ┨ ┃      |       | 125<br>126 |  | - -      | - -          | -                             | -        |                 | - -            | 4 |  |
| 26                | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$   | $\vdash$ | $\vdash$ | $\vdash$        | $\dashv$                    | $\vdash$ | 77       | +                       | +        | ┤┤                   | +             | +            | +           | +              | 1        |       | 126        | +  | +        | +            | +                             |          | $\vdash$        | +              | 1 |  |
| 28                | T        | -        | $\vdash$ | $\vdash$ | T  | $\vdash$ | $\vdash$ | $\forall$       | $\dashv$                    |          | 78       | +                       | $\top$   | $\vdash$             | $\dashv$      | $\dashv$     | $\top$      | 十              | 1        |       | 128        | $\vdash$   | +        | $\top$       | +                             |          | $\sqcap$        | +              | 1 |  |
| 29                |          |          |          |          |  |          |          |                 |                             |          | 79       |                         |          |                      |               | $\Box$       | $\bot$      | 上              | ]        |       | 129        |  |          | $\perp$      |                               |          | 口               |                | ] |  |
| 30                | _        | _        | L        | ļ        | ļ  | <u> </u> | _        | 4               | 4                           | -        | 80       | -                       | +-       | $\sqcup$             | _             | 4            | _           | 4_             | 4        |       | 130        | $\vdash$   | 4        | $\bot$       | +                             |          | Н               | +              | - |  |
| 31<br>32          | ╁        | -        | -        | ┢        | $\vdash$   | $\vdash$ | ┝        | $\vdash$        | $\dashv$                    | $\vdash$ | 81<br>82 | +                       | +        | $\vdash$             | $\dashv$      | +            | +           | +              | 1        |       | 131<br>132 | $\vdash$   | +        | +            | +                             | -        | $\vdash \vdash$ | +              | ┨ |  |
| 33                | 1        | t        | $\vdash$ | t        | t  | f        |          | $\vdash$        | $\dashv$                    |          | 83       | 十                       | +        | H                    | $\dashv$      | $\dashv$     | 十           | +              | 1        |       | 133        | $\vdash$   | +        | +            | T                             | Н        | $\vdash$        | $\top$         | 1 |  |
| 34                | Г        |          |          |          |  |          |          |                 |                             |          | 84       | $\perp$                 |          |                      | $\Box$        |              | 工           |                | ]        |       | 134        | П  |          |              |                               |          | 口               |                | ] |  |
| 35                |          | $\vdash$ |          |          | L  |          | L        | $\sqcup$        | 4                           |          | 85       | $\perp$                 | $\perp$  | $\square$            | _             | 4            | _           | 1              | ↓ [      |       | 135        |  | _        | $\perp$      | 1                             | $\vdash$ | $\Box$          |                | - |  |
| 36<br>37          | -        | $\vdash$ | $\vdash$ | $\vdash$ | ┼  | ╁        | -        |                 | $\dashv$                    | -        | 86<br>87 | +                       | ╁        | $\vdash$             | +             | $\dashv$     | +           | ╁              | } }      |       | 136<br>137 | ┝╾┥  | - -      | ╁            | ╁                             | -        | $\vdash$        | +              | - |  |
| 38                | ╁        | $\vdash$ | $\vdash$ | +        | 1-   | +        | $\vdash$ | $\vdash$        | $\dashv$                    | $\vdash$ | 88       | $\dashv$                | +        | $\vdash \vdash$      | $\dashv$      | +            | $\dashv$    | +-             | 1 1      |       | 138        | $\vdash$   | +        | +            | +                             | $\vdash$ | $\vdash$        | +              | 1 |  |
| 39                | 1        | 1        | 1        | 1        | 1  | T -      |          |                 | 7                           | $\Box$   | 89       | $\neg$                  | 1        | П                    | $\neg$        | $\neg$       | $\neg$      | $\top$         | 1 1      |       | 139        |  | $\neg$   | 1            | 1                             | 1        | 1 1             | -1             | 7 |  |